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ABSTRACT

In 1989, North Carolina's scores on the Scholastic Aptitude Test (SAT) were the lowest in the nation. The Superintendent of Public Instruction developed a plan to address this situation, and North Carolina scores improved in 1990 to rank above South Carolina. This report is one aspect of the improvement plan. This first of two volumes introduces the report; describes the data; and focuses on national and North Carolina performance on the SAT historically, in 1989, and in 1990. SAT results were released by 126 North Carolina school systems. Summary school system data are provided, and successful school systems are highlighted. The data in this report are taken from three primary sources: "National College-Bound Seniors: 1990 SAT Profile", "North Carolina College-Bound Seniors: 1990 SAT Profile", and a data tape of individual results for the 126 school systems releasing scores to the Department of Public Instruction. Comparisons were made of the 1989 performance of subgroups of students to the same subgroups in states that are demographically similar to North Carolina and have similar proportions of students taking the SAT. Thirteen tables and six charts are provided. (SLD)

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North Carolina Scholastic Aptitude Test Results

State and 126 School System Reports, 1990

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Volume 1

Bob Etheridge
State Superintendent of Public Instruction

Division of Accountability Services
North Carolina Department of Public Instruction
Raleigh, NC 27603-1712

Published 1990

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North Carolina Scholastic Aptitude Test Results

State and 126 School System Reports

1990

Volume 1

Prepared by Martha S. Ward, Ph.D.

Division of Accountability Services
North Carolina Department of Public Instruction

Raleigh, NC 27603-1712

Bob Etheridge

State Superintendent of Public Instruction

Published 1990

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Development of a comprehensive report on student and individual school system performance on the Scholastic Aptitude Test requires the effort of many individuals. I would especially like to thank George Stubblefield for systems programming, Kevin Kirby for his programming assistance; Lisa Wright for chart preparation; and Anne Cavendar, Caroline Barbour, and Karen Davis for report production.

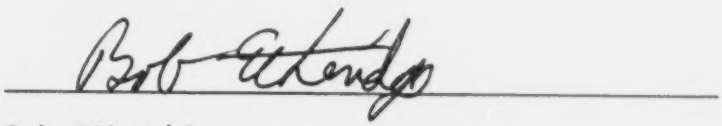
FOREWORD

In 1989 North Carolina dropped to the very bottom of the nation in terms of Scholastic Aptitude Test (SAT) scores. A five point loss caused the state to fall below South Carolina and the District of Columbia. In a statement on the 1989 results I said "We will not leap off the bottom of the heap in a few short years. I do hope that we can begin to make gradual increases in the next couple of years and speed up that progress once we look at long-term solutions."

During this past school year, educators in school systems across the state focused on improving student performance in our secondary schools. Every school system projected gains in SAT scores over the next three years. More than 40,000 students took the state-administered Preliminary Scholastic Aptitude Test. The University of North Carolina system joined with public school educators to increase student and parent awareness of the SAT. Plans are in place to increase student participation in more rigorous academic courses.

Most of these programs are expected to provide long-term improvements in skills like those measured by the SAT. The five-point increase in North Carolina's SAT scores in 1990 is promising but it is not enough. It is good not to be dead last, and North Carolina's class of 1990 students should be proud to have made this progress. But I believe, as the Task Force on Excellence in Secondary Education believes, that we must strive to reach the national average SAT score by 2000. It is an ambitious goal, but I believe we can achieve it.

The information contained in this report is available because 126 local superintendents joined with us to learn more about our progress on the SAT. I want to take this opportunity to thank them for their help.



Bob Etheridge
State Superintendent of Public Instruction

Abstract

- In 1989, North Carolina's scores on the Scholastic Aptitude Test were the lowest in the nation. The 1989 average total score was 836 compared to 903 for the nation.

- Bob Etheridge, State Superintendent of Public Instruction, developed a five-point plan to address this situation.

- In 1990, national SAT scores dropped 3 points to an average total score of 900, while North Carolina's scores improved by 5 points to 841. Verbal scores improved by 4 points and average mathematics scores improved by 1 point. This brought North Carolina's rank above that of South Carolina.

- Comparisons were made of the 1989 performance of subgroups of students in North Carolina to the same subgroups in states which are demographically similar to North Carolina and have similar proportions of their students taking the SAT. These comparisons show deficits for almost every subgroup. These differences are largest for the most advantaged students.

- The SAT performance of 126 local school systems which released their scores for the Department of Public Instruction varies greatly. The performance of successful school systems is highlighted.

- Individual school system profiles with scores disaggregated for groups of students are provided in Volume 2 of this report.

Table of Contents

Volume 1

	Page
Introduction	1
National and North Carolina Performance on the SAT: 1990 and Historically	7
1989 North Carolina Performance Based on 126 School Systems: 1989 and 1990	24
1989 and 1990 Individual School System Results Presented by Educational Region; Successful School Systems	30

List of Tables

1.	SAT Verbal, Mathematics, and Total Scores for 1990 Ranked by State	11
2.	SAT Total Scores Ranked by State; 1985-1990	12
3.	Verbal, Mathematics, and Total SAT Scores for States with 40 Percent on More of Graduates Taking the SAT: 1990	13
4.	North Carolina Performance on the 1989 SAT Scores: Total, Compared to U. S. and Other Selected States	15
5.	North Carolina Performance on the 1989 SAT Scores: Verbal, Compared to U. S. and Other Selected States	17
6.	North Carolina Performance on the 1989 SAT Scores: Mathematics, Compared to U. S. and Other Selected States	19
7.	1989 and 1990 SAT Scores for North Carolina and the United States: Verbal (126 Participating School Systems)	26
8.	1989 and 1990 SAT Scores for North Carolina and the United States: Mathematics (126 Participating School Systems)	28
9.	High Scorers: Total SAT Scores - 1989 and 1990	32
10.	High Gainers: SAT Scores, Total, Verbal, and Mathematics, 1990	33
11.	High Takers: 1989 and 1990	33

12. High Yield: Total, Verbal, and Mathematics, 1990 34

13. High Academics: 1989 and 1990 34

List of Charts

1. 1990 North Carolina Performance Compared with South Carolina, Georgia, and Virginia 14

2. Demographic Comparisons: U. S., North Carolina, Georgia, New York, South Carolina, and Virginia: 1989 21

3. Course Enrollments: Percent SAT Takers with 20 or More Academic Courses: 1989 21

4. Family Income Levels: 1989 22

5. Parent Educational Levels: 1989 22

6. SAT Scores for Students with High School Grades of A+, A, and A-: 1989 23

Introduction

North Carolina dropped to the very bottom of the nation in terms of Scholastic Aptitude Test (SAT) scores in 1989. The previous year, 1988, North Carolina ranked ahead of only the District of Columbia and South Carolina on average SAT scores. A five-point loss caused the state's fall to last among all states. Other states did not surpass us: the North Carolina average score fell while others maintained their scores.

This year, North Carolina regained the five points it lost last year to an average score of 841. This gain was made during a year when the national average score fell by three points to 900. Scores also fell in states usually considered to be somewhat comparable to North Carolina: average scores in Florida and Georgia fell three points; in South Carolina, four points; and in Virginia, seven points. North Carolina's gain brought the state back to its 1988 score and moved the state's rank up one position. South Carolina fell to last place, or 51st. (The District of Columbia is reported with the 50 states in SAT rankings.)

In September 1989 in response to the state's drop to last place on the SAT, State Superintendent Bob Etheridge proposed a five-component program to address the situation. The program included:

(1) establishment of a Task Force on Excellence in Secondary Education,

(2) thorough and careful analysis of the performance of schools and school systems on the SAT,

(3) provision of a Preliminary Scholastic Aptitude Test (PSAT) to all students taking algebra I to familiarize them with the type of test and to provide diagnostic information,

(4) programs to encourage all students to take more rigorous courses of study which include higher level thinking skills, and

(5) implementation of a program of more flexibility for local school systems in planning and implementing educational programs while holding the school systems more accountable for student performance (Senate Bill 2).

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Task Force on Excellence in Secondary Education

The first component of the State Superintendent's program, the Task Force on Excellence in Secondary Education, chaired by Judge L. Richardson Preyer, a former U.S. Congressman and federal court judge, was initiated at an Urgency Meeting convened in Raleigh on October 30, 1989. The Task Force is expected to submit its final report to Superintendent Etheridge on November 16, 1990. An interim report was presented on May 7, 1990, which recommended that the problem of low SAT scores in North Carolina be addressed directly and immediately. In so doing, the Task Force recommended adoption of the two following goals:

1. By 2000, the average score of North Carolina students taking the Scholastic Aptitude Test will exceed the national average, with the southeastern regional average being exceeded by 1995.

2. The percentage of North Carolina students taking the Scholastic Aptitude Test each year between 1990 and 2000 will remain at least at the 1989 levels.

Additionally, the Task Force recommended that the State Superintendent develop a comprehensive plan for addressing the improvement in student academic performance at the secondary level. That plan is being presented to the State Board of Education on September 5, 1990, in a companion document to this report.

Preliminary Scholastic Aptitude Test (PSAT)

The third component of the program, provision of a released version of the PSAT to students taking at least algebra I, was implemented in February 1990 with over 40,000 students taking the exam. [Note: The Department of Public Instruction recommends that students in geometry be given the state PSAT because of the amount of geometry content on the test.] The purposes of the special administration of the PSAT were (1) to improve student preparation for the SAT by increasing familiarity with the problem solving and higher-level thinking skills measured by the SAT, (2) to provide students with diagnostic information about their performance on these skills, and (3) to provide information for teachers, schools and school systems on relative strengths and weaknesses of their students on thinking skills.

Detailed information, including their own test booklets and the answers to the items, was returned to each student taking the PSAT, and comprehensive student, school, and school system profiles were provided. A computerized software package with the capability of disaggregating data for groups of students and of producing detailed diagnostic information on individual students was made available to each local school system for use by counselors and teachers.

The PSAT program is being administered to students in November 1990 so information can be returned to students and schools early in the second semester for midyear counseling of students. As many as 60,000 students are expected to take the test during the fall 1990 administration. A 20 percent increase is projected for the fall 1991 administration of the PSAT. [Note: The national PSAT is administered annually in the fall: 23,500 North Carolina students participated in fall 1989.]

Analysis of School System Performance on the SAT

The third component of Superintendent Etheridge's program, analysis of school system performance on the SAT, is the subject of this report: **North Carolina Scholastic Aptitude Test Results, State and 126 Local School System Reports, 1990.** The State Superintendent and State Board of Education (December 1989) requested that local superintendents sign release forms so that SAT results could be compiled for local school systems.

This Report

One hundred and twenty-six school systems* signed releases in time for inclusion in this report, **North Carolina Scholastic Aptitude Test Results, State and 126 Local School System Reports, 1990.** The purposes of this report and subsequent analyses of the local system data are to provide information for school systems on relative strengths and weaknesses of their students on skills measured by the SAT and to identify systems that have demonstrated improved performance on those skills so that effective practices can be identified and disseminated throughout the state. (A companion report, **SAT Survey Report, Results of a School System Telephone Survey on SAT Preparation,** is being presented conjointly to the State Board of Education on September 5, 1990.)

North Carolina is the only state reporting local system scores. Caution must be exercised in interpreting these scores for local systems which vary considerably in size and in percentage and types of students taking the SAT. "Factors variously related to performance on the SAT include academic courses studied in high school, family background, and education of parents could very well have a significant influence on average scores. (The College Board, Press Release, August 28, 1990.)" The College Board strongly discourages the use of SAT scores to compare systems or states. However, with some stability in participation rates, the review of scores over a number of years can reveal changes in the performance of specified groups of students who take the SAT.

The data in this report are from three primary sources: (1) **National College-bound Seniors: 1990 SAT Profile** (The College Board), (2) **North Carolina College-bound Seniors: 1990 SAT Profile** (The College Board), and (3) a data tape of individual results for the 126 school systems releasing scores to the Department

*Western Rockingham City Schools approved a release too late for this report but authorizing release in subsequent years.

of Public Instruction prepared by the Educational Testing Service in cooperation with The College Board. Other sources are SAT profiles for previous years released by The College Board. In all cases, the most recent scores of seniors are reported, regardless of when they were last tested.

Data from The College Board reports vary somewhat from data reported to the Department of Public Instruction. There are two reasons for those differences: The College Board reports include all 134 school systems and the data released by the school systems are for 126 public school systems. Another difference is that The College Board report includes the North Carolina of Science and Mathematics and the nonpublic schools. Special care has been made to identify the sources for all data in this report to avoid confusion in interpreting the scores.

Report Format

This report, **North Carolina Scholastic Aptitude Test Results, State and 126 School System Reports, 1990,** is presented in two volumes:

Volume 1

- o introduction and description of data,
- o National and North Carolina performance on the SAT: 1990 and historically,
- o 1989 North Carolina performance based on 126 school systems: 1989 and 1990, and
- o 1989 and 1990 individual school system results presented by educational region; successful school systems.

Volume 2

- o individual profiles for 126 school systems.

The report is presented in a basically tabular and chart format with specific observations but little descriptive narrative.

Section 1, Volume 1 presents an introduction and description of data used in the report. The **second section (Volume 1)**, which describes national and North Carolina performance on the SAT in 1990 and historically, is presented in two parts. First, North Carolina's total scores are presented relative to national scores (50 states and the District of Columbia) and to scores of the 24 states where at least 40 percent of graduating seniors take the SAT. These 24 are considered to be the SAT states.

"In some states, a very small percentage of the college-bound seniors take the SAT. Typically, these students have strong academic backgrounds and are applicants to the nations' most selective colleges and scholarship programs. Therefore, it is to be expected that the SAT verbal and mathematical averages reported for these states will be higher than is the national average. In states where a greater proportion of students with a wide range of academic backgrounds take the SAT, and where most colleges in the state require the test for admission, the scores are closer to the national average." Extracted from "Guidelines on the Uses of College Board Test Scores and Related Data." [Graduating seniors in the other states generally take the American College Test (ACT).]

The next part compares the 1989 North Carolina performance on the SAT with national performance and performance of SAT takers in selected states. The selected states are those where at least 40 percent of graduating seniors take the SAT and where general population characteristics are similar to North Carolina. The analysis is on the results of the 1989 SAT administration. Data are not yet available for other states to complete this analysis for 1990.

The **third section** presents the results of an analysis of public school students in the 126 participating North Carolina school systems compared to national (U.S.) scores. Two years of data--1989 and 1990--are presented. Results are presented for the mathematics and verbal subtests of the SAT.

Yield Index. In this section, a statistic--yield--is presented. The yield index uses both the average percent correct on a test and the participation rate. For this report, the participation rate is computed by dividing the number of SAT takers by the 7th month twelfth grade average daily membership. The mathematics and verbal percentages are based on the percent of the total scale score achieved (e.g., a score of 400 is 200 out of a 600 point scale since the lowest possible score for each subtest is 200 and the highest score is 800).

The participation rate is multiplied by the verbal (and mathematics) percentage to arrive at the yield score for each subtest. For example, a school system with an average verbal score of 528 and a participation rate of 50 percent has a yield score [(528 - 200)/600) x 50] of 27. The index theoretically ranges from 0 to 100.

The yield index permits the state or a school system to compare its performance from year to year on a scale adjusted for varying participation rates. North Carolina's participation rate was 52 percent in both 1989 and 1990. [Remember this analysis is based on 126 school systems and percentages and scores will vary from The College Board reports. The participation rates for the total state, based on projected enrollments and including private schools, was 57 percent and 55 percent for the two years, respectively.]. The state's mathematics yield was **20** in 1989 and **21** in 1990. The verbal yield was **17** for both years.

The **final section (Volume 1)** presents the local school system results for both the 1989 and 1990 SAT administrations. The section is in two parts: (1) individual school system data presented by education region, and (2) successful school systems.

Volume 2 contains individual profiles for the 126 school systems for two years, 1989 and 1990. The profiles have two parts--mathematics and verbal. Yield scores are presented for each subtest.

It should be noted that in the smaller school systems the numbers of students in certain subgroups is small, so that average scores will not be as stable as those for larger groups. Changes in scores for these groups may not be educationally meaningful.

SECTION II

NATIONAL AND NORTH CAROLINA PERFORMANCE ON THE SAT: 1990 AND HISTORICALLY

North Carolina Performance on the SAT: 1990 and Historically

Tables

1. SAT Verbal, Mathematics, Total Scores for 1990 Ranked by State

   Observations

   - North Carolina scored 841 on the total SAT in 1990: 401 on the verbal subtest, and 440 on the mathematics subtest.
   - An estimated 55 percent of North Carolina graduating seniors took the SAT in 1990.
   - North Carolina ranked 50th on total SAT score ranking above South Carolina; 49th on Verbal score tying with Georgia and ranking above South Carolina, and 50th on Mathematics above South Carolina.

2. SAT Total Scores Ranked by State: 1985 - 1990

   Observations

   - North Carolina improved its total SAT score by 5 points over the previous year; 4 points on the verbal subtest, and 1 point on the mathematics subtest.
   - North Carolina's highest rank since 1985 was 49th in 1988 ranking above South Carolina and the District of Columbia.
   - North Carolina's total score increased eight points between 1985 and 1990; South Carolina increased 19 points; Georgia, 7 points; and the District of Columbia, 6 points. [Note: Since 1980, the District of Columbia total SAT score has increased by 70 points.]

3. Verbal, Mathematics, and Total SAT Scores for States with 40 Percent or More of Graduates Taking the SAT: 1990

   Observations

   - Twenty-four states administered the SAT to more than 40 percent of graduates in 1990. The percentage of seniors taking the SAT ranges from 42 percent in Alaska and Texas to 74 percent in Connecticut. North Carolina tested 55 percent of its graduates.
   - Fourteen states tested a higher percentage of graduates than North Carolina. All fourteen scored higher on the verbal and math subtest and the total SAT than North Carolina with the exception of Georgia which scored the same on the verbal subtest.

Chart 1. 1990 North Carolina SAT performance compared with South Carolina, Georgia, and Virginia.

Observations

- North Carolina fell below South Carolina last year but regained the losses this year.
- The South Carolina, Georgia, and Virginia trend lines have been up but all appear to have leveled off and even turned down.
- The North Carolina trend line, while flatter than those of South Carolina and Georgia, has been up. The dip in performance in 1989 broke the trend line while the 1990 performance continues the upward trend.

Tables

4. North Carolina Performance on the 1989 SAT Scores: Total, Compared to U. S. and Other Selected States
5. North Carolina Performance on the 1989 SAT Scores: Verbal, Compared to U. S. and Other Selected States
6. North Carolina Performance on the 1989 SAT Scores: Mathematics, Compared to U. S. and Other Selected States

Observations

- In 1989, North Carolina's participation rate on the SAT was 57 percent, greater than South Carolina's and less than Georgia's and Virginia's by 2 percent and New York's by 12 percent. Texas's participation rate was 43 percent and Maryland's was 60 percent.
- North Carolina has a smaller percentage of 5 to 17-year-olds below the poverty line than the U.S. average and the averages for Georgia and South Carolina.
- North Carolina has a smaller percentage of public aid recipients than the U.S. average and the averages for Georgia, New York, and South Carolina.
- North Carolina has a smaller percentage of minority 5 to 17-year-olds than Georgia and South Carolina; and a slightly larger percentage (1.4 percent) than New York. All of the states in the comparison have higher percentages of minority 5 to 17-year-olds than the U. S. average.
- North Carolina's per capita expenditure for elementary and secondary education is less than the U.S. average and the averages for Georgia, New York, and South Carolina. The New York expenditure is a full 50 percent greater than the North Carolina expenditure. North Carolina outspends South Carolina by less than $5 per capita.

Charts are presented to graphically illustrate North Carolina's SAT performance on selected variables compared with the nation and similar SAT states.

Chart 2. Demographic Comparisons: U.S., North Carolina, Georgia, New York, South Carolina, and Virginia: 1989

Chart 3. Course Enrollments: Percent SAT Takers with 20 or More Academic Courses: 1989

Observations

- Compared to SAT takers nationally, North Carolina test takers are less likely (39 percent nationally to 29 percent in North Carolina) to have taken 20 or more academic courses. North Carolina takers do not compare well to Virginia (42 percent) and New York (55 percent) graduates taking the SAT. [Note: 59 percent of graduates in Virginia took the SAT and 69 percent in New York compared to 57 percent in North Carolina.]

Chart 4. Family Income Levels: 1989

Chart 5. Parent Educational Levels: 1989

Observations

- At every income level and parent educational level, North Carolina test takers score lower than their counterparts nationally.

- At the highest income levels, $60,000-70,000 and more than $70,000, North Carolina test takers score 61 and 66, respectively, less than their counterparts nationally.

- In homes with the most educated parents, those with bachelor's and graduate degrees, North Carolina test takers score substantially lower than their counterparts nationally.

Chart 6. SAT Scores for Students with High School Grades of A+, A, and A-: 1989

Observations

- North Carolina test takers with high school grades of A+, A, and A- achieved SAT scores lower than students reporting similar scores nationally and in Georgia, New York, South Carolina, and Virginia.

- North Carolina A+ students scored 75 points below A+ students nationally, 32 points below A+ students in South Carolina and 41 points below those in Georgia.

TABLE 1. SAT VERBAL, MATHEMATICS, AND TOTAL SCORES FOR 1990 RANKED BY STATE

STATE	% GRAD TAKING SAT	VERBAL 1990	RANK VERBAL 1990	MATH 1990	RANK MATH 1990	TOTAL 1990	RANK TOTAL 1990
ALABAMA	8	470	16	514	19	984	18
ALASKA	42	438	29	476	34	914	31
ARIZONA	25	445	25	497	25	942	25
ARKANSAS	6	470	16	511	22	981	19
CALIFORNIA	45	419	41	484	30	903	33
COLORADO	28	456	22	513	21	969	21
CONNECTICUT	74	430	34	471	37	901	35
DELAWARE	58	433	32	470	38	903	33
DISTRICT OF COLUMBIA	68	409	46	441	49	850	48
FLORIDA	44	418	42	466	41	884	42
GEORGIA	57	401	49	443	48	844	49
HAWAII	52	404	48	481	32	885	41
IDAHO	17	466	18	502	23	968	22
ILLINOIS	16	466	18	528	9	994	14
INDIANA	54	408	47	459	47	867	47
IOWA	5	511	1	577	1	1088	1
KANSAS	10	492	4	548	4	1040	4
KENTUCKY	10	473	14	521	15	994	14
LOUISIANA	9	476	12	517	18	993	16
MAINE	60	423	38	463	43	886	40
MARYLAND	59	430	34	478	33	908	32
MASSACHUSETTS	72	427	36	473	35	900	36
MICHIGAN	12	454	23	514	19	968	22
MINNESOTA	14	477	10	542	7	1019	7
MISSISSIPPI	4	477	10	519	16	996	12
MISSOURI	12	473	14	522	14	995	13
MONTANA	20	464	20	523	12	987	17
NEBRASKA	10	484	6	546	5	1030	6
NEVADA	24	434	31	487	27	921	30
NEW HAMPSHIRE	67	442	27	486	28	928	27
NEW JERSEY	69	418	42	473	35	891	39
NEW MEXICO	12	480	8	527	10	1007	10
NEW YORK	70	412	45	470	38	882	45
NORTH CAROLINA	55	401	49	440	50	841	50
NORTH DAKOTA	6	505	3	564	2	1069	2
OHIO	22	450	24	499	24	949	24
OKLAHOMA	9	478	9	523	12	1001	11
OREGON	49	439	28	484	30	923	28
PENNSYLVANIA	64	420	40	463	43	883	43
RHODE ISLAND	62	422	39	461	45	883	43
SOUTH CAROLINA	54	397	51	437	51	834	51
SOUTH DAKOTA	5	506	2	555	3	1061	3
TENNESSEE	12	483	7	525	11	1008	9
TEXAS	42	413	44	461	45	874	46
UTAH	5	492	4	539	8	1031	5
VERMONT	62	431	33	466	41	897	37
VIRGINIA	58	425	37	470	38	895	38
WASHINGTON	44	437	30	486	28	923	28
WEST VIRGINIA	15	443	26	490	26	933	26
WISCONSIN	11	476	12	543	6	1019	7
WYOMING	13	458	21	519	16	977	20

N=51

Table 2. SAT Total Scores Ranked by State: 1985-1990

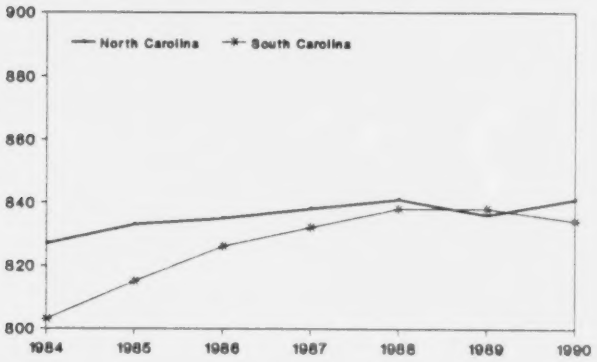
STATE	TOTAL 1985	RANK 1985	TOTAL 1986	RANK 1986	TOTAL 1987	RANK 1987	TOTAL 1988	RANK 1988	TOTAL 1989	RANK 1989	TOTAL 1990	RANK 1990	PERCENT 1990-GRADUATES TAKING TEST
ALABAMA	994	17	990	18	993	17	1000	14	1002	11	984	18	8
ALASKA	923	30	924	31	924	30	916	31	923	31	914	31	42
ARIZONA	985	21	975	24	968	24	955	24	952	24	942	25	25
ARKANSAS	998	16	1001	15	1001	15	995	16	986	17	981	19	6
CALIFORNIA	904	38	904	38	906	38	908	33	906	34	903	33	45
COLORADO	994	17	980	22	980	21	971	21	966	22	969	21	28
CONNECTICUT	915	34	914	34	912	34	908	33	908	33	90*	35	74
DELAWARE	918	33	917	32	910	35	899	39	903	37	903	33	58
DISTRICT COLUMBIA	844	48	852	48	842	48	839	50	846	49	850	48	68
FLORIDA	884	44	895	42	893	42	890	42	887	44	884	42	44
GEORGIA	837	49	842	49	840	49	848	48	847	48	844	49	57
HAWAII	877	46	880	45	881	45	888	44	888	43	885	41	52
IDAHO	982	23	987	19	975	22	968	23	965	23	968	22	17
ILLINOIS	990	20	985	20	984	19	984	20	982	19	994	14	16
INDIANA	875	47	874	47	874	47	870	47	871	47	867	47	54
IOWA	1097	2	1095	2	1089	1	1090	1	1084	1	1088	1	5
KANSAS	1054	4	1042	5	1045	4	1035	4	1040	4	1040	4	10
KENTUCKY	1020	10	1002	14	998	16	990	17	996	13	994	14	10
LOUISIANA	976	24	981	21	982	20	989	19	986	17	993	16	9
MAINE	898	40	900	39	899	39	896	40	897	39	886	40	60
MARYLAND	910	35	911	35	914	32	908	33	914	32	908	32	59
MASSACHUSETTS	906	37	909	36	909	36	906	36	905	35	900	36	72
MICHIGAN	984	22	976	23	972	23	970	22	972	21	968	22	12
MINNESOTA	1018	11	1022	8	1003	14	1001	11	1006	10	1019	7	14
MISSISSIPPI	1017	12	1001	15	1008	12	1001	11	988	16	996	12	4
MISSOURI	993	19	995	17	992	18	990	17	989	15	995	13	12
MONTANA	1039	7	1026	7	1009	9	1000	14	992	14	987	17	20
NEBRASKA	1046	6	1042	5	1033	6	1032	6	1030	6	1030	6	10
NEVADA	921	31	930	29	923	31	926	29	926	30	921	30	24
NEW HAMPSHIRE	939	28	935	28	938	28	933	28	932	28	928	27	67
NEW JERSEY	889	43	889	44	892	43	893	41	894	41	891	39	69
NEW MEXICO	1005	15	1016	10	1009	9	1002	10	1015	7	1007	10	12
NEW YORK	900	39	898	40	894	41	889	43	890	42	882	45	70
NORTH CAROLINA	833	50	835	50	838	50	841	49	836	51	841	50	55
NORTH DAKOTA	1081	3	1064	3	1067	3	1053	3	1067	2	1069	2	6
OHIO	964	27	963	26	954	25	951	25	948	25	949	24	22
OKLAHOMA	1028	9	1008	12	1006	13	1005	9	1001	12	1001	11	9
OREGON	928	29	930	29	928	29	923	30	927	29	923	28	49
PENNSYLVANIA	893	42	894	43	891	44	886	45	886	45	883	43	64
RHODE ISLAND	895	41	898	40	898	40	900	38	895	40	883	43	62
SOUTH CAROLINA	815	51	826	51	832	51	838	51	838	50	834	51	54
SOUTH DAKOTA	1109	1	1098	1	1076	2	1070	2	1041	3	1061	3	5
TENNESSEE	1010	14	1007	13	1011	8	1009	7	1009	9	1008	9	12
TEXAS	878	45	877	46	875	46	879	46	877	46	874	46	42
UTAH	1054	4	1047	4	1043	5	1034	5	1036	5	1031	5	5
VERMONT	919	32	916	33	914	32	909	32	905	35	897	37	62
VIRGINIA	908	36	908	37	907	37	902	37	902	38	895	38	58
WASHINGTON	973	26	963	26	951	27	942	27	939	26	923	28	44
WEST VIRGINIA	975	25	964	25	954	25	947	26	939	26	933	26	15
WISCONSIN	1011	13	1014	11	1009	9	1007	8	1013	8	1019	7	11
WYOMING	1034	8	1018	9	1016	7	1001	11	978	20	977	20	13

TABLE 3. VERBAL, MATHEMATICS, AND TOTAL SCORES FOR STATES WITH 40 PERCENT OR MORE OF GRADUATES TAKING THE SAT: 1990

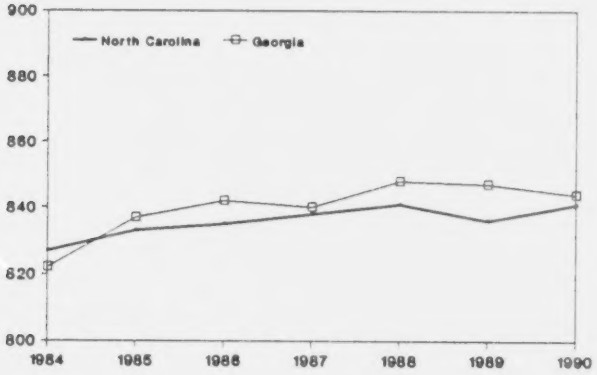
STATE	% GRAD TAKING SAT	VERBAL 1990	RANK VERBAL 1990	MATH 1990	RANK MATH 1990	TOTAL 1990	RANK TOTAL 1990
ALASKA	42	438	3	476	7	914	4
CALIFORNIA	45	419	14	484	3	903	6
CONNECTICUT	74	430	7	471	10	901	8
DELAWARE	58	433	5	470	11	903	6
DISTRICT OF COLUMBIA	68	409	19	441	22	850	21
FLORIDA	44	418	15	466	14	884	15
GEORGIA	57	401	22	443	21	844	22
HAWAII	52	404	21	481	5	885	14
INDIANA	54	408	20	459	20	867	20
MAINE	60	423	11	463	16	886	13
MARYLAND	59	430	7	478	6	908	5
MASSACHUSETTS	72	427	9	473	8	900	9
NEW HAMPSHIRE	67	442	1	486	1	928	1
NEW JERSEY	69	418	15	473	8	891	12
NEW YORK	70	412	18	470	11	882	18
NORTH CAROLINA	55	401	22	440	23	841	23
OREGON	49	439	2	484	3	923	2
PENNSYLVANIA	64	420	13	463	16	883	16
RHODE ISLAND	62	422	12	461	18	883	16
SOUTH CAROLINA	54	397	24	437	24	834	24
TEXAS	42	413	17	461	18	874	19
VERMONT	62	431	6	466	14	897	10
VIRGINIA	58	425	10	470	11	895	11
WASHINGTON	44	437	4	486	1	923	2

N=24

Chart 1. North Carolina SAT Scores Compared with South Carolina



Compared with Georgia



Compared with Virginia

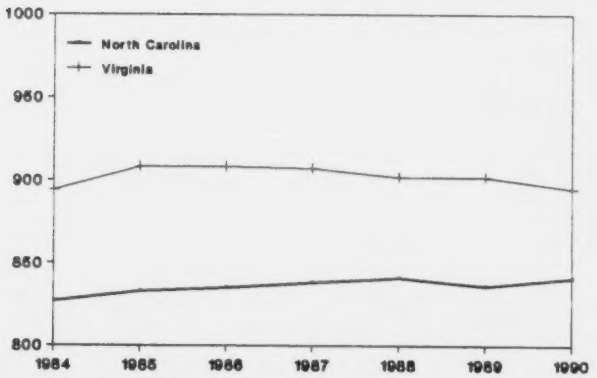


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TABLE 4

North Carolina Performance on the 1989 SAT; Total, Compared to the U.S. and Other Selected States

	United States average	%	North Carolina average	%	Georgia average	%	Maryland average	%	New York average	%	South Carolina average	%	Texas average	%	Virginia average	%
*% Persons Age 5-17 yrs. in households below poverty line**		*20.7*		*17.5*		*20.1*		*11.6*		*12.2*		*20.3*		*18.1*		*14.1*
*% Public Aid Recipients***		*6.2*		*5.0*		*6.4*		*5.1*		*8.0*		*6.3*		*4.5*		*4.0*
*% Minority of Those Persons Age 5-17 yrs.**		*22.6*		*29.3*		*33.4*		*29.6*		*27.9*		*38.4*		*36.2*		*24.2*
*% Participation****				*57.0*		*59.0*		*60.0*		*69.0*		*55.0*		*43.0*		*59.0*
*State and Local Per Capita Expenditures for Public Schools*****	*$644.13*		*$572.12*		*$622.66*		*$630.40*		*$860.78*		*$567.70*		*$665.68*		*$633.59*	
SAT TOTAL SCALED SCORES																
All Students******	903	100	836	100	847	100	914	100	890	100	838	100	877	100	902	100
Total full-year credits for study in six academic subjects																
20 or more	1005	39	951	29	953	25	1016	48	993	55	951	27	1001	22	1007	42
19 or 19.5	937	13	903	13	910	12	919	14	862	12	896	13	949	13	929	15
18 or 18.5	901	13	858	14	877	14	869	11	816	9	880	15	916	15	888	13
17 or 17.5	860	11	818	12	843	14	824	9	784	7	826	13	870	15	835	10
16 or 16.5	824	8	780	9	802	11	798	7	768	5	791	11	825	12	799	7
15 or 15.5	797	6	764	7	779	8	775	5	739	4	752	8	796	8	776	5
Fewer than 15	758	10	715	15	738	14	747	7	711	7	711	13	750	15	736	9

* From Chief State School Officers Council's "State Education Indicators 1989", with data from the U.S. Bureau of the Census, "United States Summary: General Population Characteristics: 1980," series PC80-1-B1, Table 67.

** From "The World Almanac and Book of Facts 1990," New York: An Imprint of Pharos Books, November 1989, p. 563.

*** % Participation was taken from the U.S. Department of Education's release of SAT scores, and is based on a press release for Tuesday, September 12, 1989 entitled "Average SAT Scores by State, 1979, 1984-1989."

**** From Bureau of the Census, "Government Finances in 1986-87", p. 100.

***** SAT data are from The College Board's "1989 Profile of SAT and Achievement Test Takers" for the selected states.

TABLE 4

North Carolina Performance on the 1989 SAT; Total, Compared to the U.S. and Other Selected States

	U.S. average	%	N.C. average	%	Ga. average	%	Md. average	%	N.Y. average	%	S.C. average	%	Tx. average	%	Va. average	%
Ethnicity																
American Indian	812	2	768	2	783	2	820	2	818	2	774	2	808	2	797	2
Asian American	934	7	889	2	898	2	987	6	940	6	884	2	917	4	925	5
Black	737	10	696	19	711	21	750	20	740	10	698	24	729	9	735	14
White	937	75	881	75	895	73	960	70	932	74	890	72	918	68	940	76
Other	820	7	864	1	833	1	918	2	808	9	823	0	834	3	887	2
Sex																
Male	934	48	880	45	877	46	944	47	922	48	868	45	906	47	930	47
Female	875	52	816	55	822	54	888	53	860	52	813	55	851	53	879	53
Family Income																
Less than $10,000	780	5	716	5	712	5	746	3	755	6	704	6	771	6	750	3
$10,000-$20,000	829	12	771	15	771	12	806	8	813	14	764	16	813	13	799	10
$20,000-$30,000	870	16	815	19	820	16	850	14	863	17	816	19	852	17	851	15
$30,000-$40,000	898	19	841	21	844	19	887	18	894	19	850	21	874	18	884	18
$40,000-$50,000	924	14	868	14	874	14	921	15	919	14	879	14	895	13	915	15
$50,000-$60,000	944	11	890	10	891	11	945	13	946	10	897	10	916	10	944	12
$60,000-$70,000	959	7	907	6	907	7	961	9	965	6	921	5	927	7	967	9
$70,000 or more	996	16	942	10	948	15	1015	20	1025	13	951	9	957	15	998	18
Parent Educational Level																
No Diploma	757	4	715	4	718	4	780	3	760	7	710	5	752	6	749	4
High School Diploma	847	37	793	45	801	43	839	35	842	42	796	46	831	37	834	36
Associate Degree	870	7	818	9	829	7	861	6	880	8	829	9	841	7	858	7
Bachelor's Degree	943	27	889	25	899	26	941	28	944	23	891	24	915	28	938	28
Graduate Degree	1003	24	942	17	943	20	1021	28	1018	20	946	17	960	22	1007	26
High School GPA																
A+ (97-100)	1178	4	1103	4	1144	3	1224	3	1260	2	1135	2	1138	5	1194	4
A (93-96)	1079	11	998	13	1030	11	1121	8	1146	9	1027	9	1015	16	1082	11
A- (90-92)	1014	13	924	14	954	12	1055	9	1049	12	951	11	940	16	1023	12
B (80-89)	878	53	805	51	827	54	911	55	875	57	825	55	821	53	890	49
C (70-79)	780	18	704	17	733	20	786	25	741	20	724	22	736	10	765	23
D or below	727	0	698	0	709	1	776	1	688	1	694	1	711	0	724	1

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TABLE 5

North Carolina Performance on the 1989 SAT; Verbal, Compared to the U.S. and Other Selected States

	United States average	%	North Carolina average	%	Georgia average	%	Maryland average	%	New York average	%	South Carolina average	%	Texas average	%	Virginia average	%
*% Persons Age 5-17 yrs. in households below poverty line**		*20.7*		*17.5*		*20.1*		*11.6*		*12.2*		*20.3*		*18.1*		*14.1*
*% Public Aid Recipients***		*6.2*		*5.0*		*6.4*		*5.1*		*8.0*		*6.3*		*4.5*		*4.0*
*% Minority of Those Persons Age 5-17**		*22.6*		*29.3*		*33.4*		*29.6*		*27.9*		*38.4*		*36.2*		*24.2*
*% Participation****				*57.0*		*59.0*		*60.0*		*69.0*		*55.0*		*43.0*		*59.0*
*State and Local Per Capita Expenditures for Public Schools*****	*$644.13*		*$572.12*		*$622.66*		*$630.40*		*$860.78*		*$567.70*		*$665.68*		*$633.59*	
SAT VERBAL SCALED SCORES																
All Students****	427	100	397	100	402	100	434	100	419	100	399	100	415	100	430	100
Total full-year credits for study in six academic subjects																
20 or more	476	39	454	29	455	25	483	48	467	55	454	27	475	22	481	42
19 or 19.5	443	13	430	13	432	12	437	14	407	12	426	13	448	13	440	15
18 or 18.5	428	13	406	14	415	14	412	11	387	9	409	15	432	15	422	13
17 or 17.5	407	11	387	12	398	14	391	9	373	7	393	13	411	15	399	10
16 or 16.5	390	8	368	9	379	11	378	7	363	6	377	11	391	12	381	7
15 or 15.5	377	6	362	7	369	8	365	5	349	4	359	8	378	8	371	5
Fewer than 15	357	10	339	15	350	14	350	7	334	7	338	13	353	15	351	9

* From Chief State School Officers Council's "State Education Indicators 1989", with data from the U.S. Bureau of the Census, "United States Summary: General Population Characteristics: 1980," series PC80-1-B1, Table 67.

** From "The World Almanac and Book of Facts 1990," New York: An Imprint of Pharos Books, November 1989, p. 563.

*** % Participation was taken from the U.S. Department of Education's release of SAT scores, and is based on a press release for Tuesday, September 12, 1989 entitled "Average SAT Scores by State, 1979, 1984-1989."

**** From Bureau of the Census, "Government Finances in 1986-87", p.100.

***** SAT data are from The College Board's "1989 Profile of SAT and Achievement Test Takers" for the selected states.

TABLE 5

North Carolina Performance on the 1989 SAT; Verbal, Compared to the U.S. and Other Selected States

	U.S. average	%	N.C. average	%	Ga. average	%	Md. average	%	N.Y. average	%	S.C. average	%	Tx. average	%	Va. average	%
Sex																
Male	434	48	402	45	410	46	440	47	428	48	407	45	421	47	436	47
Female	421	52	393	55	395	54	429	53	411	52	392	55	409	53	426	53
Ethnicity																
American Indian	384	2	364	2	371	2	383	2	382	2	366	2	381	2	381	2
Asian American	409	7	395	2	395	2	442	6	406	6	410	2	404	4	412	5
Black	351	10	328	19	334	21	359	20	355	10	329	24	345	9	349	14
White	446	75	420	75	427	73	458	70	441	74	426	72	437	68	450	76
Other	388	7	414	1	400	1	438	2	384	9	392	0	394	3	426	2
Family Income																
Less than $10,000	360	5	338	5	332	5	348	3	350	6	332	6	357	8	349	3
$10,000-$20,000	389	12	367	15	364	12	376	8	379	14	363	16	382	13	378	10
$20,000-$30,000	412	16	388	19	390	16	403	14	407	17	389	19	403	17	406	15
$30,000-$40,000	426	19	400	21	402	19	423	18	423	19	405	21	414	18	423	18
$40,000-$50,000	438	14	412	14	416	14	437	15	434	14	419	14	424	13	437	15
$50,000-$60,000	448	11	422	10	423	11	449	13	447	10	429	10	435	10	450	12
$60,000-$70,000	455	7	430	6	431	7	458	9	457	6	439	5	442	7	462	9
$70,000 or more	471	16	447	10	448	15	482	20	483	13	454	9	453	15	475	18
Parent Educational Level																
No Diploma	345	4	336	4	334	4	351	3	348	7	333	5	345	6	351	4
High School Diploma	400	37	376	45	379	43	397	35	397	42	378	46	392	37	396	36
Associate Degree	412	7	389	9	393	7	408	8	415	8	395	9	399	7	409	7
Bachelor's Degree	446	27	423	25	428	26	447	28	445	23	426	24	434	28	447	28
Graduate Degree	477	24	450	17	450	20	488	28	484	20	458	17	457	22	483	28
High School GPA																
A+ (97-100)	552	4	519	4	537	3	578	3	599	2	538	2	532	5	566	4
A (93-96)	506	11	472	13	485	11	527	8	539	9	488	9	477	16	511	11
A- (90-92)	476	13	436	14	450	12	498	9	491	12	450	11	442	16	485	12
B (80-89)	416	53	383	51	393	54	433	55	412	57	393	55	390	53	424	49
C (70-79)	363	18	337	17	350	20	376	28	352	20	347	22	352	10	368	23
D or below	345	0	344	0	343	1	379	1	331	1	332	1	339	0	352	1

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TABLE 6

North Carolina Performance on the 1989 SAT; Math, Compared to the U.S. and Other Selected States

	United States average	%	North Carolina average	%	Georgia average	%	Maryland average	%	New York average	%	South Carolina average	%	Texas average	%	Virginia average	%
*% Persons Age 5-17 yrs. in households below poverty line**		*20.7*		*17.5*		*20.1*		*11.6*		*12.2*		*20.3*		*18.1*		*14.1*
*% Public Aid Recipients***		*6.2*		*5.0*		*6.4*		*5.1*		*8.0*		*6.3*		*4.5*		*4.0*
*% Minority of Those Persons Age 5-17 yrs.**		*22.6*		*29.3*		*33.4*		*29.6*		*27.9*		*38.4*		*36.2*		*24.2*
*% Participation****				*57.0*		*59.0*		*60.0*		*69.0*		*55.0*		*43.0*		*59.0*
*State and Local Per Capita Expenditures for Public Schools*****	*$644.13*		*$572.12*		*$622.66*		*$630.40*		*$860.78*		*$567.70*		*$665.68*		*$633.59*	
SAT MATH SCALED SCORES																
All Students****	476	100	439	100	445	100	480	100	471	100	439	100	462	100	472	100
Total full-year credits for study in six academic subjects																
20 or more	529	39	497	29	498	25	533	48	528	55	497	27	526	22	526	42
19 or 19.5	494	13	473	13	478	12	482	14	455	12	470	13	501	13	489	15
18 or 18.5	475	13	452	14	462	14	457	11	429	9	451	15	484	15	466	13
17 or 17.5	453	11	431	12	445	14	433	9	411	7	433	13	459	15	436	10
16 or 16.5	434	8	412	9	423	11	420	7	405	6	414	11	434	12	418	7
15 or 15.5	420	6	402	7	410	8	410	5	390	4	393	8	418	8	405	5
Fewer than 15	401	10	376	15	388	14	397	7	377	7	373	13	397	15	385	9

* From Chief State School Officers Council's "State Education Indicators 1989", with data from the U.S. Bureau of the Census, "United States Summary: General Population Characteristics: 1980," series PC80-1-B1, Table 67.

** From "The World Almanac and Book of Facts 1990," New York: An Imprint of Pharos Books, November 1989, p. 563.

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**** From Bureau of the Census, "Government Finances in 1986-87", p. 100.

***** SAT data are from The College Board's "1989 Profile of SAT and Achievement Test Takers" for the selected states.

TABLE 6

North Carolina Performance on the 1989 SAT; Math, Compared to the U.S. and Other Selected States

	U.S. average	%	N.C. average	%	Ga. average	%	Md. average	%	N.Y. average	%	S.C. average	%	Tx. average	%	Va. average	%
Sex																
Male	500	48	458	45	467	46	504	47	494	48	461	45	485	47	494	47
Female	454	52	423	55	427	54	459	53	449	52	421	55	442	53	453	53
Ethnicity																
American Indian	428	2	404	2	412	2	437	2	434	2	408	2	427	2	416	2
Asian American	525	7	494	2	503	2	545	6	534	6	474	2	513	4	513	5
Black	388	10	368	19	377	21	391	20	385	10	369	24	384	9	386	14
White	491	75	461	75	468	73	502	70	491	74	464	72	481	68	490	76
Other	434	7	450	1	433	1	480	2	424	9	431	0	440	3	461	2
Family Income																
Less than $10,000	420	5	378	5	380	5	398	3	405	6	372	6	414	6	401	3
$10,000-$20,000	440	12	404	15	407	12	430	8	434	14	401	16	431	13	421	10
$20,000-$30,000	458	16	427	19	430	16	447	14	456	17	427	19	449	17	445	15
$30,000-$40,000	472	19	441	21	442	19	464	18	471	19	445	21	460	18	461	18
$40,000-$50,000	486	14	456	14	458	14	484	15	485	14	460	14	471	13	478	15
$50,000-$60,000	496	11	468	10	468	11	496	13	499	10	468	10	481	10	494	12
$60,000-$70,000	504	7	477	6	476	7	503	9	508	6	482	5	485	7	505	9
$70,000 or more	525	16	495	10	500	15	533	20	542	13	497	9	504	15	523	18
Parent Educational Level																
No Diploma	412	4	379	4	382	4	409	3	412	7	377	5	407	6	398	4
High School Diploma	447	37	417	45	422	43	442	35	445	42	418	46	439	37	438	36
Associate Degree	458	7	429	9	436	7	453	8	465	8	434	9	442	7	449	7
Bachelor's Degree	497	27	466	25	471	26	494	28	499	23	465	24	481	28	491	28
Graduate Degree	526	24	492	17	493	20	533	28	534	20	490	17	503	22	524	26
High School GPA																
A+ (97-100)	626	4	584	4	607	3	646	3	661	2	597	2	606	5	628	4
A (93-96)	573	11	526	13	545	11	594	8	607	9	539	9	538	16	571	11
A- (90-92)	538	13	488	14	504	12	557	9	558	12	501	11	498	16	538	12
B (80-89)	462	53	422	51	434	54	478	55	463	57	432	55	431	53	466	49
C (70-79)	397	18	367	17	383	20	411	25	389	20	377	22	384	10	397	23
D or below	382	0	354	0	366	1	397	1	357	1	362	1	372	0	372	1

Chart 2. SAT Scores by Sex and Ethnicity

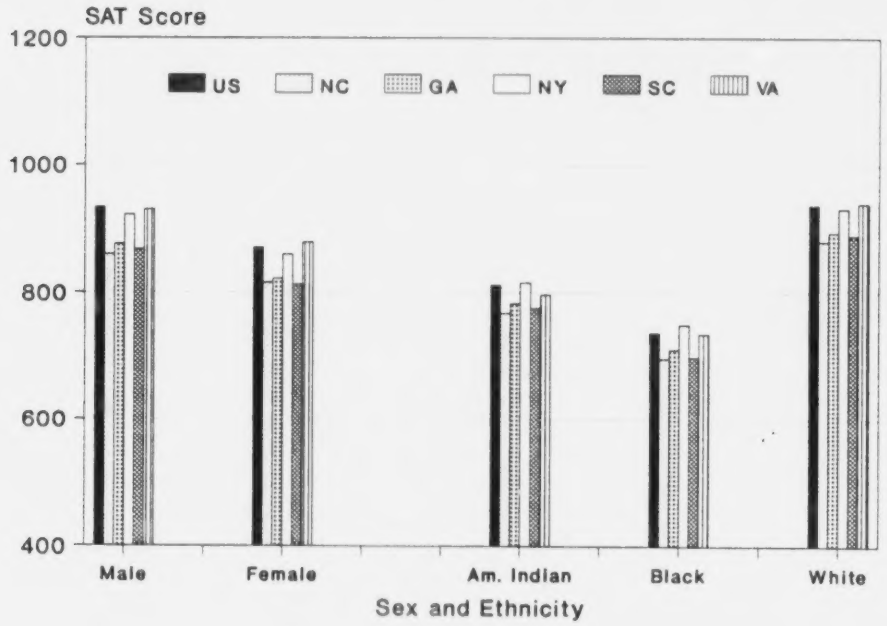


Chart 3. Course Enrollments: Students With 20 or More Academic Courses

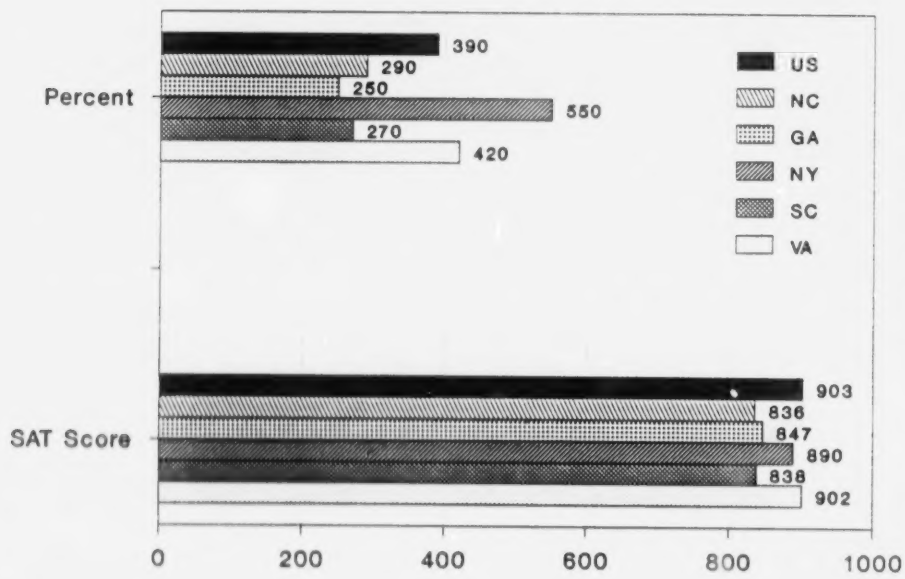


Chart 4. SAT Scores by Family Income Level

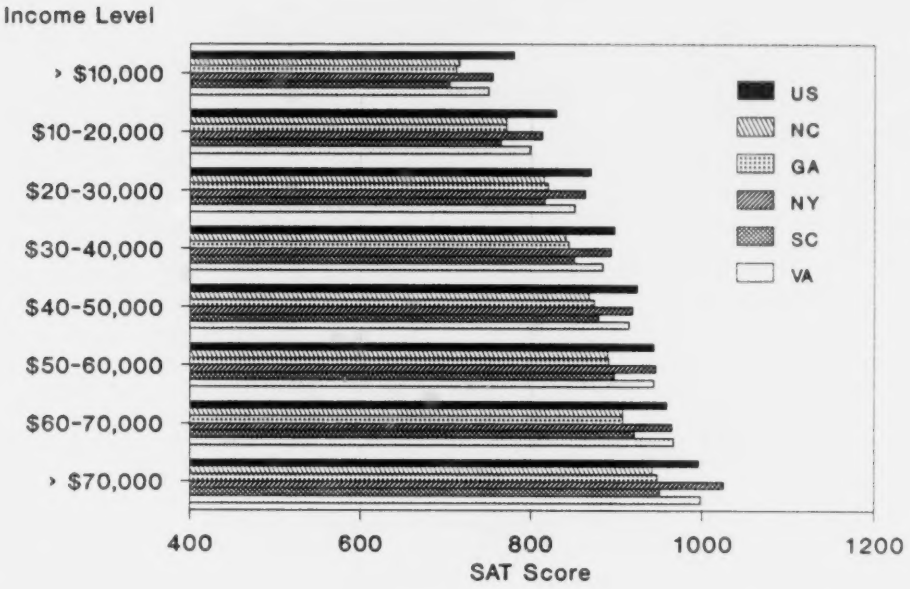


Chart 5. SAT Scores by Parent Educational Level

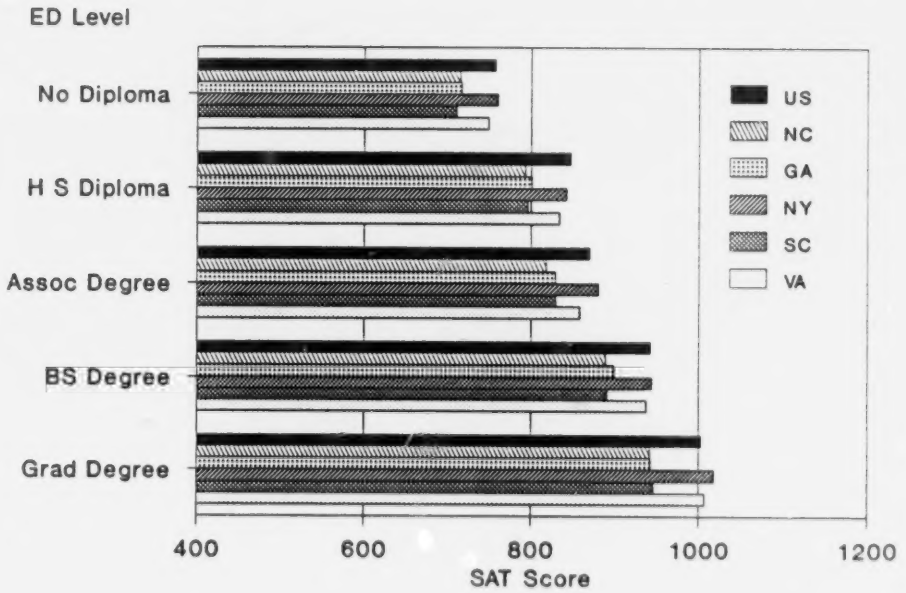
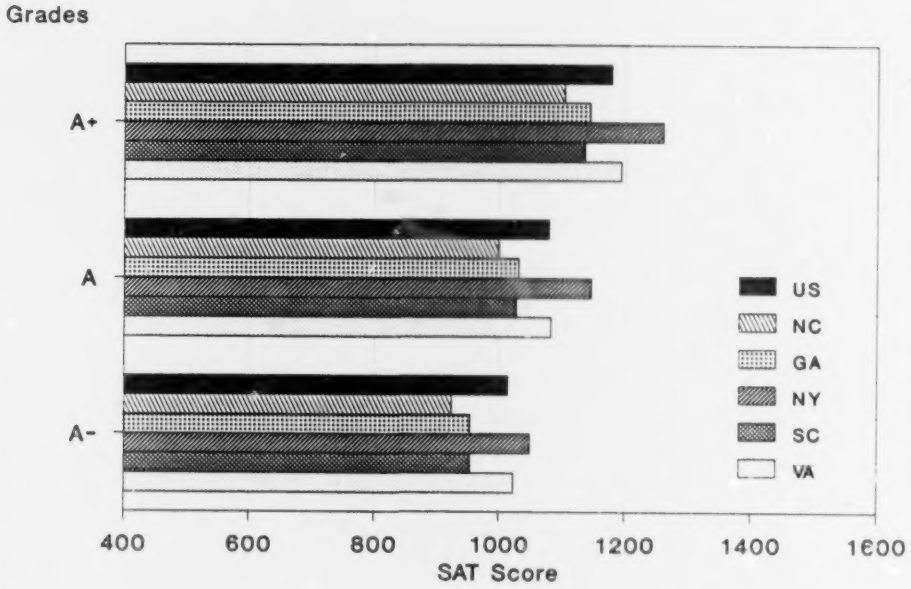


Chart 6. SAT Scores for Students with High School Grades of A+, A, and A-



SECTION III

NORTH CAROLINA PERFORMANCE ON THE SAT BASED ON 126 SCHOOL SYSTEMS: 1989 AND 1990

North Carolina Performance on the SAT based on 126 School Systems: 1989 and 199

Tables

7. 1989 and 1990 SAT Scores for North Carolina and the United States: Verbal (126 participating school systems)

8. 1989 and 1990 SAT Scores for North Carolina and the United States: Mathematics (126 participating school systems)

Observations

- Verbal scores increased three points in the participating systems, which is the same as the state average score for all SAT takers. The score for the participating school systems is 4 points lower than the state score for all takers. The gap between North Carolina and national scores narrowed by 5 points.

- Mathematics scores increased in 2 points (1 point more than the state average for all takers). The mathematics score was 436 in 1989 which was 40 points lower than the US score for all takers, and was 38 points lower than the US score in 1990. The gap between North Carolina and the national mathematics scores narrowed by 2 points.

- North Carolina scores are lower for almost every subgroup, with the largest deficits among students who have taken the most academic courses, males, white students, students with higher levels of family income and parental education, and students with higher grade point averages.

- Comparisons of scores for subgroups of students, and differences in the scores as compared to the U.S., generally show improvement between 1989 and 1990.

TABLE 7. 1989 and 1990 Scholastic Aptitude Test Scores for North Carolina and the United States
Verbal

	1988-1989				1989-1990			
	Participation Rate* =52 Verbal Yield*=17				Participation Rate*= 52 Verbal Yield*= 17			
	Public** N.C. N	Public** N.C. Average %	All** U.S. Average %	Difference** (N.C.–U.S.)	Public** N.C. N	Public** N.C. Average %	All** U.S. Average %	Difference** (N.C.–U.S)
All students	34,256	394 (100)	427 (100)	-33	31,586	397 (100)	424 (100)	-27
Total full-year credits for study in six academic subjects								
20 or more	7,508	449 (28)	476 (39)	-27	7,388	446 (29)	472 (40)	-26
19 or 19.5	3,551	428 (13)	443 (13)	-15	3,548	428 (14)	438 (13)	-10
18 or 18.5	3,857	405 (14)	426 (13)	-22	3,667	407 (15)	420 (13)	-13
17 or 17.5	3,256	385 (12)	407 (11)	-22	3,138	387 (12)	401 (10)	-14
16 or 16.5	2,620	368 (10)	390 (8)	-22	2,335	366 (9)	384 (8)	-18
15 or 15.5	2,029	360 (8)	377 (6)	-17	1,694	355 (7)	373 (6)	-18
Fewer than 15	4,137	338 (15)	357 (10)	-19	3,426	342 (14)	354 (10)	-12
No Response	7,298				6,390			
Sex								
Male	15,304	399 (45)	434 (48)	-35	14,304	400 (45)	429 (48)	-29
Female	18,952	390 (55)	421 (52)	-31	17,282	395 (55)	419 (52)	-24
Ethnicity								
American Indian	760	362 (2)	384 (2)	-22	486	358 (2)	388 (1)	-30
Black	6,252	326 (20)	351 (10)	-25	6,135	333 (21)	352 (10)	-19
White	23,930	416 (75)	446 (75)	-30	22,023	419 (75)	442 (73)	-23
Other	860	395 (3)	400 (14)	-5	866	400 (3)	396 (15)	4
No Response	2454				2,076			

* Participation rate is based on the number of students taking the SAT and 12th grade 7th month average daily membership for each year. Yield is an index of the effectiveness of a program which is based on both participation rate and average scores.

** "Public N.C. includes data from the 126 school systems that released their scores to the NC Department of Public Instruction. "All U.S." includes public and private school data.

TABLE 7 cont. Verbal

	1988-1989				1989-1990			
	Public** N.C. N	Public** N.C. Average %	All** U.S. Average %	Difference** (N.C.–U.S.)	Public** N.C. N	Public** N.C. Average %	All** U.S. Average %	Difference** (N.C.–U.S)
Family Income								
Less than $10,000	1,514	338 (5)	360 (5)	-22	1,339	340 (5)	357 (5)	-17
$10,000 – $20,000	4,543	366 (15)	389 (12)	-23	3,984	365 (14)	383 (12)	-18
$20,000 – $30,000	5,814	386 (20)	412 (16)	-26	5,200	388 (19)	407 (16)	-19
$30,000 – $40,000	6,260	398 (21)	426 (19)	-28	5,802	399 (21)	420 (19)	-21
$40,000 – $50,000	4,239	410 (14)	438 (14)	-28	3,976	414 (14)	434 (14)	-20
$50,000 – $60,000	2,920	421 (10)	448 (11)	-27	2,838	420 (10)	443 (11)	-23
$60,000 – $70,000	1,609	427 (5)	455 (7)	-28	1,623	425 (6)	450 (7)	-25
$70,000 or more	2,663	441 (9)	471 (16)	-30	2,916	444 (11)	468 (17)	-24
No Response	4,694				3,908			
Parent Education Level								
No diploma	1,189	336 (4)	345 (4)	-9	1,060	335 (4)	342 (5)	-7
High school diploma	14,815	376 (47)	400 (37)	-24	13,978	379 (48)	397 (38)	-18
Associate degree	2,920	389 (9)	412 (7)	-23	2,763	391 (9)	409 (7)	-18
Bachelor's degree	7,762	420 (25)	446 (27)	-26	7,190	421 (24)	443 (27)	-22
Graduate degree	4,920	443 (16)	477 (24)	-34	4,415	452 (15)	476 (24)	-24
No Response	2,650				2,180			
High School Grade Point Average								
A+ (97-100)	1,383	515 (4)	552 (4)	-37	1,352	520 (5)	551 (4)	-31
A (93-96)	4,253	466 (13)	506 (11)	-40	4,016	470 (14)	503 (11)	-33
A- (90-92)	4,358	431 (14)	476 (13)	-45	4,084	437 (14)	473 (13)	-36
B (80-89)	16,017	380 (51)	416 (53)	-36	15,053	380 (51)	411 (53)	-31
C (70-79)	5,394	335 (17)	363 (18)	-28	4,766	339 (16)	359 (18)	-20
D or below	144	347 (0)	345 (0)	2	128	330 (0)	343 (0)	-13
No Response	2,707				2,187			

** "Public N.C. includes data from the 126 school systems that released their scores to the NC Department of Public Instruction. "All U.S." includes public and private school data.

TABLE 8. 1989 and 1990 Scholastic Aptitude Test (SAT) Scores for North Carolina and the United States Mathematics

	1988-1989				1989-1990			
	Participation Rate*= 52 Mathematics Yield*= 20				Participation Rate*= 52 Mathematics Yield*= 21			
	Public** N.C. N	Public** N.C. Average %	All** U.S. Average %	Difference** (N.C.-U.S.)	Public** N.C. N	Public** N.C. Average %	All** U.S. Average %	Difference** (N.C.-U.S.)
All students	34,256	436 (100)	476 (100)	-40	31,586	438(100)	476 (100)	-38
Total full-year credits for study in six academic subjects								
20 or more	7,508	492 (28)	529 (39)	-37	7,388	488 (29)	529 (40)	-41
19 or 19.5	3,551	472 (13)	494 (13)	-22	3,548	472 (14)	492 (13)	-20
18 or 18.5	3,857	453 (14)	475 (13)	-23	3,667	452 (15)	472 (13)	-20
17 or 17.5	3,256	430 (12)	453 (11)	-23	3,138	431 (12)	450 (10)	-19
16 or 16.5	2,620	412 (10)	434 (8)	-22	2,335	408 (9)	431 (8)	-23
15 or 15.5	2,029	402 (8)	420 (6)	-18	1,694	397 (7)	418 (6)	-21
Fewer than 15	4,137	375 (15)	401 (10)	-26	3,426	379 (14)	401 (10)	-22
No Response	7,298				6,390			
Sex								
Male	15,304	455 (45)	500 (48)	-45	14,304	456 (45)	499 (48)	-43
Female	18,952	421 (55)	454 (52)	-33	17,282	423 (55)	455 (52)	-32
Ethnicity								
American Indian	760	405 (2)	428 (2)	-23	486	410 (2)	437 (1)	-27
Black	6,252	367 (20)	386 (10)	-19	6,135	367 (21)	385 (10)	-18
White	23,930	458 (75)	491 (75)	-33	22,023	461 (75)	491 (73)	-30
Other	860	473 (3)	479 (14)	-6	866	471 (3)	480 (15)	-9
No Response	2,454				2,076			

* Participation rate is based on the number of students taking the SAT and 12th grade 7th month average daily membership for each year. Yield is an index of the effectiveness of a program which is based on both participation rate and average scores.

** "Public N.C." includes data from 126 public school systems which released their scores to the North Carolina Department of Public Instruction. "All U.S." includes private school and public school data.

TABLE 8 cont. Mathematics

	1988-1989				1989-1990			
	Public** N.C. N	Public** N.C. Average %	All** U.S. Average %	Difference** (N.C.-U.S.)	Public** N.C. N	Public** N.C. Average %	All** U.S. Average %	Difference** (N.C.-U.S.)
Family Income								
Less than $10,000	1,514	380 (5)	420 (5)	-40	1,339	375 (5)	419 (5)	-44
$10,000 – $20,000	4,543	404 (15)	440 (12)	-36	3,984	404 (14)	437 (12)	-33
$20,000 – $30,000	5,814	426 (20)	458 (16)	-32	5,200	428 (19)	457 (16)	-29
$30,000 – $40,000	6,260	441 (21)	472 (19)	-31	5,802	440 (21)	469 (19)	-29
$40,000 – $50,000	4,239	454 (14)	486 (14)	-32	3,976	457 (14)	484 (14)	-27
$50,000 – $60,000	2,920	468 (10)	496 (11)	-28	2,838	462 (10)	495 (11)	-33
$60,000 – $70,000	1,609	475 (5)	504 (7)	-29	1,623	471 (6)	503 (7)	-32
$70,000 or more	2,663	491 (9)	525 (16)	-34	2,916	495 (11)	527 (17)	-32
No Response	4,694				3,908			
Parent Education Level								
No diploma	1,189	380 (4)	412 (4)	-32	1,060	383 (4)	412 (5)	-29
High school diploma	14,815	418 (47)	447 (37)	-29	13,978	419 (48)	445 (38)	-26
Associate degree	2,920	430 (9)	458 (7)	-28	2,763	431 (9)	457 (7)	-26
Bachelor's degree	7,762	464 (25)	497 (27)	-33	7,190	465 (24)	498 (27)	-33
Graduate degree	4,920	486 (16)	526 (24)	-40	4,415	493 (15)	529 (24)	-36
No Response	2650				2,180			
High School Grade Point Average								
A+ (97-100)	1,383	581 (4)	626 (4)	-45	1,352	586 (5)	626 (4)	-40
A (93-96)	4,253	522 (13)	573 (11)	-51	4,016	525 (14)	573 (11)	-48
A- (90-92)	4,358	484 (14)	538 (13)	-54	4,084	488 (14)	539 (13)	-51
B (80-89)	16,017	419 (51)	462 (53)	-43	15,053	418 (51)	460 (53)	-42
C (70-79)	5,394	366 (17)	397 (18)	-31	4,766	366 (16)	396 (18)	-30
D or below	144	358 (0)	382 (0)	-24	128	346 (0)	387 (0)	-41
No Response	2,707				2,187			

** "Public N.C." includes data from 126 public school systems which released their scores to the North Carolina Department of Public Instruction. "All U.S." includes private school and public school data.

SECTION IV

1989 AND 1990 INDIVIDUAL SCHOOL SYSTEM RESULTS PRESENTED BY EDUCATIONAL REGION; SUCCESSFUL SCHOOL SYSTEMS

Local School System Performance on the SAT Verbal and Mathematics Subtests: 1989 and 1990

Tables

9. High Scorers: Total SAT Scores, 1989 and 1990

   Definition: High Scorers are the school systems with the highest average total, verbal, and mathematics scores.

10. High Gainers: SAT Scores; Total, Verbal, and Mathematics, 1990

    Definition: High Gainers are the school systems making the greatest increases in total, verbal, and mathematics scores from 1989 to 1990.

11. High Takers: 1989 and 1990

    Definition: High Takers are the school systems with the highest percentages of graduating seniors taking the SAT.

12. Trend Setters: Verbal, and Mathematics, 1989 and 1990

    Definition: Trend Setters are the school systems with the highest yield indices in verbal and mathematics, 1989 and 1990.

13. High Academics: 1989 and 1990

    Definition: High Academics are the school systems with the highest percentages of students taking 20 or more courses in six academic areas.

Table 9. High Scorers

Total SAT Scores

1989	1990
1. Chapel Hill City	1. Chapel Hill City (1)
2. Madison	2. Asheville City
3. Hickory City	3. Jackson
4. Wake	4. Hickory City (3)
5T. Dare	5. Hendersonville City (8T)
5T. Mooresville City	6T. Chowan
7. Henderson	6T. Wake (4)
8T. Clay	8. Asheboro City
8T. Hendersonville City	9. Dare (5T)
8T. Watauga	10. Watauga (8T)
11. Davie	11. Buncombe
12. Durham	12T. Durham (12)
	12T. Madison (2)

Mathematics SAT Scores

1989	1990
1. Chapel Hill City	1. Chapel Hill City (1)
2. Mooresville City	2. Jackson (10T)
3T. Madison	3. Wake (3T)
3T. Wake	4. Chowan
5. Hickory City	5T. Asheville City
6. Dare	5T. Graham
7. Currituck	5T. Hendersonville City (10T)
8. Clay	5T. Hickory City (5)
9. Henderson	9. Dare (6)
10T. Hendersonville City	10T. Gates
10T. Jackson	10T. Roanoke Rapids City
12. Catawba	12. Buncombe

Verbal SAT Scores

1989	1990
1. Chapel Hill City	1. Chapel Hill City (1)
2. Madison	2. Asheville City (7T)
3. Hickory City	3. Hickory City (3)
4. Watauga	4. Jackson
5. Wake	5T. Asheboro City
6. Dare	5T. Hendersonville City (9)
7T. Asheville City	5T. Watauga (4)
7T. Henderson	8T. Chowan
9. Hendersonville City	8T. Madison (2)
10. Davie	10. Dare (6)
11T. Carteret	11T. Shelby City
11T. Clay	11T. Wake (5)

1989 rankings are in parentheses; T means tied

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Table 10. High Gainers

SAT Scores: Total, Verbal, and Mathematics

Total	Verbal	Mathematics
1. Gates	1. Gates	1. Gates
2. Chowan	2. Chowan	2. Chowan
3. Whiteville City	3. Whiteville City	3. Graham
4. Jones	4. Jones	4T. McDowell
5. Graham	5. Weldon City	4T. Martin
6. Asheville City	6. Vance	6. Whiteville City
7. Person	7T. Asheville City	7T. Asheville City
8T. Weldon City	7T. Lexington City	7T. Jones
8T. McDowell	9. Jackson	9T. Johnston
8T. Kinston City	10. Kinston City	9T. Person
11T. Chapel Hill City	11T. Graham	9T. Polk
11T. Jackson	11T. Albemarle City	9T. Wilkes

Gain Scores (1989 to 1990)

Table 11. High Takers

1989	1990
1. Chapel Hill City	1. Chapel Hill City (1)
2. Hendersonville City	2. Durham (3)
3. Durham	3. Hendersonville City (2)
4. Wake	4. Wake (4)
5. Newton-Conover City	5. Hickory City (6T)
6T. Hickory City	6. Elkin City
6T. Watauga	7. Watauga (6T)
6T. Whiteville City	8. Macon
9. Clinton City	9T. Asheboro City
10T. Forsyth	9T. Durham City (10T)
10T. Durham City	9T. Mount Airy City (12T)
12T. Albemarle City	12. Pasquotank
12T. Bladen	
12T. Kinston City	
12T. Mount Airy City	
12T. Tyrrell	

1989 rankings are in parentheses

Table 12. Trend Setters: 1989

SAT Scores: Verbal and Mathematics

	Verbal		Mathematics
1.	Chapel Hill City	1.	Chapel Hill City
2.	Hendersonville City	2.	Hendersonville City
3.	Durham	3.	Durham
4.	Wake	4.	Wake
5T.	Hickory City	5.	Hickory City
5T.	Watauga	6.	Newton-Conover City
7.	Newton-Conover City	7.	Watauga
8T.	Asheboro City	8.	Mecklenburg
8T.	Asheville City	9T.	Forsyth
8T.	Forsyth	9T.	Mount Airy City
8T.	Mecklenburg	9T.	Shelby City
8T.	Statesville City	12T.	Asheboro City
		12T.	Dare
		12T.	Guilford
		12T.	Statesville City
		12T.	Transylvania

Trend Setters: 1990

	Verbal		Mathematics
1.	Chapel Hill City	1.	Chapel Hill City
2.	Hendersonville City	2T.	Durham
3.	Durham	2T.	Hendersonville City
4.	Hickory City	4.	Wake
5.	Wake	5.	Hickory City
6.	Watauga	6.	Watauga
7T.	Asheboro City	7T.	Asheboro City
7T.	Asheville City	7T.	Macon
9.	Macon	9T.	Asheville City
10T.	Transylvania	9T.	Jackson
10T.	Jackson	9T.	Transylvania
12T.	Dare	12T.	Dare
12T.	Elkin City	12T.	Forsyth
12T.	Forsyth	12T.	Guilford
12T.	Mecklenburg	12T.	Mecklenburg
12T.	Shelby City	12T.	Mooresville City
		12T.	Mount Airy City
		12T.	New Hanover

Based on yield index: scores times participation rate

Table 13. High Academics: 1989 and 1990

SAT Takers with 20+ Academic Courses

1989	1990
1T. Elkin City	1. Statesville City (1)
1T. Statesville City	2. Chapel Hill City (3)
3. Chapel Hill City	3. Perquimans (8)
4. Asheville City	4. Caswell (6)
5. Kings Mountain City	5. Kings Mountain City (5)
6. Caswell	6. Eden City
7. Hendersonville City	7. Asheville City (4)
8. Perquimans	8T. Kannapolis City (9T)
9T. Durham	8T. Roanoke Rapids City
9T. Kannapolis City	8T. Rocky Mount City (12T)
11. McDowell	11T. Durham (9T)
12T. Newton-Conover City	11T. Hendersonville City (7)
12T. Rocky Mount City	

1989 rankings are in parentheses

INDIVIDUAL SCHOOL DISTRICT SAT SCORES:

VERBAL AND MATHEMATICS

1989

REGION NORTHEAST

1988-1989 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
BEAUFORT COUNTY	185	31	10	8	395	362
WASHINGTON CITY	134	57	22	17	431	381
BERTIE COUNTY	90	35	11	9	394	359
CAMDEN COUNTY	40	51	17	14	397	360
CHOWAN COUNTY	65	39	14	12	417	382
CURRITUCK COUNTY	57	42	18	13	463	385
DARE COUNTY	92	53	24	20	467	422
GATES COUNTY	39	35	11	7	387	328
HERTFORD COUNTY	106	42	11	9	362	329
HYDE COUNTY						
MARTIN COUNTY	178	50	15	13	381	359
PASQUOTANK COUNTY	180	60	21	17	415	373
PERQUIMANS COUNTY	40	33	13	11	443	395
PITT COUNTY						
TYRRELL COUNTY	38	61	20	15	402	348
WASHINGTON COUNTY	108	55	18	15	391	365

REGION SOUTHEAST

1988-1989 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
BRUNSWICK COUNTY	240	45	15	14	404	380
CARTERET COUNTY	237	53	21	19	442	417
NEW BERN-CRAVEN	391	50	19	16	424	391
DUPLIN COUNTY	203	38	13	10	410	362
GREENE COUNTY	54	34	12	10	409	384
JONES COUNTY	33	30	10	8	401	357
LENOIR COUNTY	153	38	13	11	404	373
KINSTON CITY	174	61	21	17	409	363
NEW HANOVER COUNT	770	58	23	19	438	401
ONSLOW COUNTY	439	44	18	15	447	398
PAMLICO COUNTY	61	47	19	15	440	393
PENDER COUNTY	143	45	15	13	402	371
SAMPSON COUNTY	171	39	12	11	390	366
CLINTON CITY	107	63	22	18	413	367
WAYNE COUNTY	436	47	17	14	422	379
GOLDSBORO CITY	131	47	15	13	390	360

REGION CENTRAL

1988-1989 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
DURHAM COUNTY	912	77	33	28	456	415
DURHAM CITY	201	62	18	13	379	327
EDGECOMBE COUNTY	133	40	11	10	372	345
TARBORO CITY	107	53	21	16	432	379
FRANKLIN COUNTY	114	44	16	14	415	398
FRANKLINTON CITY	31	36	10	9	366	355
GRANVILLE COUNTY	190	42	16	13	428	381
HALIFAX COUNTY	124	41	11	8	365	313
ROANOKE RPDS CITY	105	56	23	18	446	394
WELDON CITY	21	27	7	5	349	313
JOHNSTON COUNTY	439	47	18	14	424	385
NASH COUNTY	304	44	16	13	420	374
ROCKY MOUNT CITY	167	50	20	17	440	401
NORTHAMPTON COUNT	121	44	13	8	373	313
VANCE COUNTY	197	39	13	10	400	355
WAKE COUNTY	2969	72	33	27	471	425
WARREN COUNTY	82	45	15	12	395	360
WILSON COUNTY	298	44	18	14	441	394

REGION SOUTH CENTRAL

1988-1989 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
BLADEN COUNTY	216	61	17	14	372	335
COLUMBUS COUNTY	162	31	10	8	390	363
WHITEVILLE CITY	127	66	22	17	401	359
CUMBERLAND COUNTY	1520	51	20	16	433	386
HARNETT COUNTY	270	36	13	11	422	388
HOKE COUNTY	126	43	15	11	405	358
LEE COUNTY	178	41	15	13	418	392
MONTGOMERY COUNTY						
MOORE COUNTY	271	46	18	15	441	396
RICHMOND COUNTY	226	44	15	13	407	373
ROBESON COUNTY	627	50	15	11	379	337
SCOTLAND COUNTY	236	56	21	16	420	369

REGION NORTH CENTRAL

1988-1989 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
ALAMANCE COUNTY	374	48	18	15	423	385
BURLINGTON CITY						
CASWELL COUNTY	115	46	14	12	389	357
CHATHAM COUNTY	183	47	19	15	444	392
DAVIDSON COUNTY	550	48	18	15	425	391
LEXINGTON CITY	109	54	20	16	422	378
THOMASVILLE CITY	65	47	19	16	437	404
FORSYTH COUNTY	1681	62	25	21	447	401
GUILFORD COUNTY	1062	59	24	20	449	406
GREENSBORO CITY						
HIGH POINT CITY						
ORANGE COUNTY	176	50	19	16	425	392
CHAPEL HILL CITY	345	87	48	39	529	472
PERSON COUNTY	192	51	18	14	409	367
RANDOLPH COUNTY						
ASHEBORO CITY	134	59	24	21	447	413
ROCKINGHAM COUNTY	101	41	16	13	429	390
EDEN CITY	124	47	20	14	451	385
WEST. ROCKINGHAM						
REIDSVILLE CITY	88	38	13	11	408	367
STOKES COUNTY	194	40	16	13	434	393

REGION SOUTHWEST

1988-1989 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
ANSON COUNTY	134	41	13	9	389	335
CABARRUS COUNTY	487	54	21	17	435	391
KANNAPOLIS CITY	125	40	14	12	412	376
CLEVELAND COUNTY	238	47	18	13	429	366
KINGS MTN. CITY	121	48	18	13	423	362
SHELBY CITY	145	60	25	20	445	401
GASTON COUNTY	925	47	17	14	420	380
LINCOLN COUNTY	300	50	18	14	419	370
MECKLENBURG COUNT	2999	60	26	21	457	408
ROWAN COUNTY	632	57	22	17	431	381
STANLY COUNTY	241	55	22	18	440	393
ALBEMARLE CITY	88	61	23	19	431	383
UNION COUNTY	375	47	20	16	451	409
MONROE CITY	94	57	20	16	406	373

REGION NORTHWEST

1988-1989 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
ALEXANDER COUNTY	141	45	17	13	422	374
ALLEGHANY COUNTY	49	52	20	17	430	401
ASHE COUNTY	140	52	21	17	439	396
AVERY COUNTY	82	44	14	13	394	380
BURKE COUNTY	313	41	17	14	444	407
CALDWELL COUNTY	292	41	18	14	457	410
CATAWBA COUNTY	406	45	19	15	458	401
HICKORY CITY	205	66	30	25	470	429
NEWTON CITY	125	60	29	23	452	401
DAVIE COUNTY	152	49	21	18	456	418
IREDELL COUNTY	299	43	16	13	419	381
MOORESVILLE CITY	79	50	23	18	477	412
STATESVILLE CITY	129	58	24	21	453	412
SURRY COUNTY	213	43	16	14	429	393
ELKIN CITY	54	60	22	20	424	402
MOUNT AIRY CITY	72	61	25	20	449	394
WATAUGA COUNTY	176	66	28	25	452	427
WILKES COUNTY	276	41	15	14	417	398
YADKIN COUNTY	144	44	16	14	415	394

REGION WESTERN

1988-1989 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
BUNCOMBE COUNTY	831	51	21	18	453	416
ASHEVILLE CITY	164	57	23	21	445	420
CHEROKEE COUNTY	129	51	20	15	432	374
CLAY COUNTY	43	46	20	17	462	417
GRAHAM COUNTY	44	47	19	13	438	365
HAYWOOD COUNTY	253	42	18	15	457	410
HENDERSON COUNTY	275	51	22	19	461	420
HENDERSONVILLE CI	113	81	35	30	460	419
JACKSON COUNTY	155	53	23	19	460	410
MACON COUNTY	133	52	21	18	440	413
MADISON COUNTY	55	32	14	13	471	446
MCDOWELL COUNTY	190	47	16	15	409	393
MITCHELL COUNTY	94	59	21	19	417	395
POLK COUNTY	44	44	15	14	405	386
RUTHERFORD COUNTY	228	40	17	14	450	416
SWAIN COUNTY	61	54	21	18	435	398
TRANSYLVANIA COUN	151	57	24	19	449	398
YANCEY COUNTY	60	34	14	12	442	405

INDIVIDUAL SCHOOL DISTRICT SAT SCORES:

VERBAL AND MATHEMATICS

1990

REGION NORTHEAST

1989-1990 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
BEAUFORT COUNTY	100	39	13	12	393	383
WASHINGTON CITY	138	54	20	15	418	370
BERTIE COUNTY	103	38	11	8	373	332
CAMDEN COUNTY	37	51	18	15	417	373
CHOWAN COUNTY	62	43	19	16	470	425
CURRITUCK COUNTY	48	33	14	10	461	375
DARE COUNTY	103	57	25	21	466	424
GATES COUNTY	41	35	15	12	465	404
HERTFORD COUNTY	114	43	12	10	374	345
HYDE COUNTY						
MARTIN COUNTY	158	50	17	14	407	368
PASQUOTANK COUNTY	171	62	23	18	420	378
PERQUIMANS COUNTY	39	35	15	11	458	396
PITT COUNTY						
TYRRELL COUNTY	27	52	19	13	417	348
WASHINGTON COUNTY	77	47	14	13	384	362

REGION SOUTHEAST

1989-1990 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
BRUNSWICK COUNTY	178	37	13	11	417	379
CARTERET COUNTY	235	54	21	18	431	397
NEW BERN-CRAVEN	357	48	19	16	437	403
DUPLIN COUNTY	235	45	16	13	413	376
GREENE COUNTY	69	42	15	11	415	357
JONES COUNTY	23	26	10	8	423	394
LENOIR COUNTY	147	39	14	12	418	386
KINSTON CITY	159	59	22	19	426	389
NEW HANOVER COUNT	721	61	25	20	447	401
ONSLOW COUNTY	438	46	19	16	450	403
PAMLICO COUNTY	57	47	18	16	430	406
PENDER COUNTY	135	42	14	11	401	356
SAMPSON COUNTY	196	46	14	12	386	362
CLINTON CITY	88	57	19	15	398	353
WAYNE COUNTY	405	49	17	14	412	374
GOLDSBORO CITY	146	53	17	13	387	351

REGION CENTRAL

1989-1990 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
DURHAM COUNTY	857	78	34	29	461	422
DURHAM CITY	193	63	17	13	365	321
EDGECOMBE COUNTY	134	43	13	11	379	353
TARBORO CITY	95	54	21	18	430	395
FRANKLIN COUNTY	136	46	16	16	413	405
FRANKLINTON CITY	31	33	9	8	371	347
GRANVILLE COUNTY	166	43	15	12	405	364
HALIFAX COUNTY	99	34	9	6	351	313
ROANOKE RPDS CITY	97	51	23	18	465	415
WELDON CITY	22	28	7	7	358	347
JOHNSTON COUNTY	452	49	20	16	445	396
NASH COUNTY	341	50	19	16	432	395
ROCKY MOUNT CITY	145	50	19	17	434	401
NORTHAMPTON COUNT	107	46	13	10	376	328
VANCE COUNTY	183	42	15	13	410	386
WAKE COUNTY	2778	73	33	27	472	423
WARREN COUNTY	60	35	10	8	370	338
WILSON COUNTY	331	52	21	16	439	389

REGION SOUTH CENTRAL

1989-1990 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
BLADEN COUNTY	182	47	14	12	374	349
COLUMBUS COUNTY	132	28	9	8	396	361
WHITEVILLE CITY	92	54	20	18	424	397
CUMBERLAND COUNTY	1424	52	20	17	433	391
HARNETT COUNTY	229	34	12	10	410	376
HOKE COUNTY	93	35	12	10	409	364
LEE COUNTY	202	49	18	15	419	387
MONTGOMERY COUNTY						
MOORE COUNTY	247	45	17	15	429	394
RICHMOND COUNTY	215	43	15	12	414	373
ROBESON COUNTY	575	44	14	11	395	347
SCOTLAND COUNTY	185	46	16	12	408	356

1989-1990 SCHOLASTIC APTITUDE TEST SCORES

REGION NORTH CENTRAL

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
ALAMANCE COUNTY	406	53	20	17	424	388
BURLINGTON CITY						
CASWELL COUNTY	93	41	14	11	400	354
CHATHAM COUNTY	173	48	19	15	438	396
DAVIDSON COUNTY	437	45	17	14	421	387
LEXINGTON CITY	89	47	17	16	418	406
THOMASVILLE CITY	63	48	17	14	419	370
FORSYTH COUNTY	1535	59	25	21	454	410
GUILFORD COUNTY	957	59	25	20	452	404
GREENSBORO CITY						
HIGH POINT CITY						
ORANGE COUNTY	156	53	20	17	426	394
CHAPEL HILL CITY	320	88	51	43	548	495
PERSON COUNTY	178	51	20	16	430	391
RANDOLPH COUNTY						
ASHEBORO CITY	117	63	27	24	461	431
ROCKINGHAM COUNTY	79	38	14	12	422	384
EDEN CITY	129	52	22	17	454	393
WEST. ROCKINGHAM						
REIDSVILLE CITY	97	41	14	12	410	372
STOKES COUNTY	185	43	16	14	423	389

REGION SOUTHWEST

1989-1990 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
ANSON COUNTY	129	47	15	10	388	333
CABARRUS COUNTY	470	57	23	18	441	388
KANNAPOLIS CITY	102	40	14	12	414	374
CLEVELAND COUNTY	204	45	18	14	433	389
KINGS MTN. CITY	99	43	15	12	411	366
SHELBY CITY	123	56	24	21	455	423
GASTON COUNTY	872	47	18	14	425	385
LINCOLN COUNTY	247	45	17	13	420	375
MECKLENBURG COUNT	2577	59	25	21	453	409
ROWAN COUNTY	550	54	21	17	436	390
STANLY COUNTY	185	45	16	14	420	390
ALBEMARLE CITY	76	55	22	19	436	408
UNION COUNTY	410	54	23	19	453	410
MONROE CITY	99	57	19	15	396	358

REGION NORTHWEST

1989-1990 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
ALEXANDER COUNTY	128	41	15	12	418	382
ALLEGHANY COUNTY	56	49	16	15	399	378
ASHE COUNTY	119	47	20	17	457	414
AVERY COUNTY	65	41	15	14	414	399
BURKE COUNTY	285	40	16	14	438	411
CALDWELL COUNTY	270	40	17	14	459	415
CATAWBA COUNTY	371	44	19	15	461	410
HICKORY CITY	175	69	31	28	467	444
NEWTON CITY	85	56	21	17	428	385
DAVIE COUNTY	128	45	19	16	450	417
IREDELL COUNTY	295	44	17	13	433	377
MOORESVILLE CITY	90	60	25	19	446	387
STATESVILLE CITY	128	60	20	17	399	373
SURRY COUNTY	190	38	14	12	415	395
ELKIN CITY	45	68	24	21	415	390
MOUNT AIRY CITY	65	63	25	20	440	392
WATAUGA COUNTY	176	67	29	26	456	431
WILKES COUNTY	275	45	18	16	438	409
YADKIN COUNTY	140	49	16	15	402	380

REGION WESTERN

1989-1990 SCHOLASTIC APTITUDE TEST SCORES

	NUMBER TESTED	PARTICIPATION RATE	MATH YIELD	VERBAL YIELD	MATH SCORE	VERBAL SCORE
BUNCOMBE COUNTY	708	50	22	18	463	421
ASHEVILLE CITY	149	59	26	24	457	448
CHEROKEE COUNTY	108	48	19	15	443	392
CLAY COUNTY	46	55	19	18	408	392
GRAHAM COUNTY	35	50	22	16	467	390
HAYWOOD COUNTY	226	45	18	16	443	413
HENDERSON COUNTY	270	49	20	17	439	405
HENDERSONVILLE CI	96	77	34	30	467	431
JACKSON COUNTY	131	56	26	22	475	437
MACON COUNTY	133	66	27	23	449	411
MADISON COUNTY	52	33	14	12	458	425
MCDOWELL COUNTY	163	41	16	14	435	410
MITCHELL COUNTY	73	56	17	17	382	378
POLK COUNTY	55	49	18	16	426	395
RUTHERFORD COUNTY	229	40	15	13	423	391
SWAIN COUNTY	43	43	17	14	440	397
TRANSYLVANIA COUN	167	61	26	22	458	418
YANCEY COUNTY	49	32	14	10	461	397